Rockfish non-pelagic trawl effort Count\_ 1 - 17 71 - 311 Nautical Miles 62.5 125 250

Figure 3.4-12. Gulf of Alaska: 1990-2002 Observed Rockfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Sablefish & Turbot hook & line effort Count\_ 1 - 12 13 - 37 38 - 112 ■ Nautical Miles 62.5 125 250

**Figure 3.4-13.** Gulf of Alaska: 1990-2002 Observed Sablefish and Turbot Hook and Line Effort (Sets/25 km<sup>2</sup>)

**Figure 3.4-14.** Gulf of Alaska: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km²)

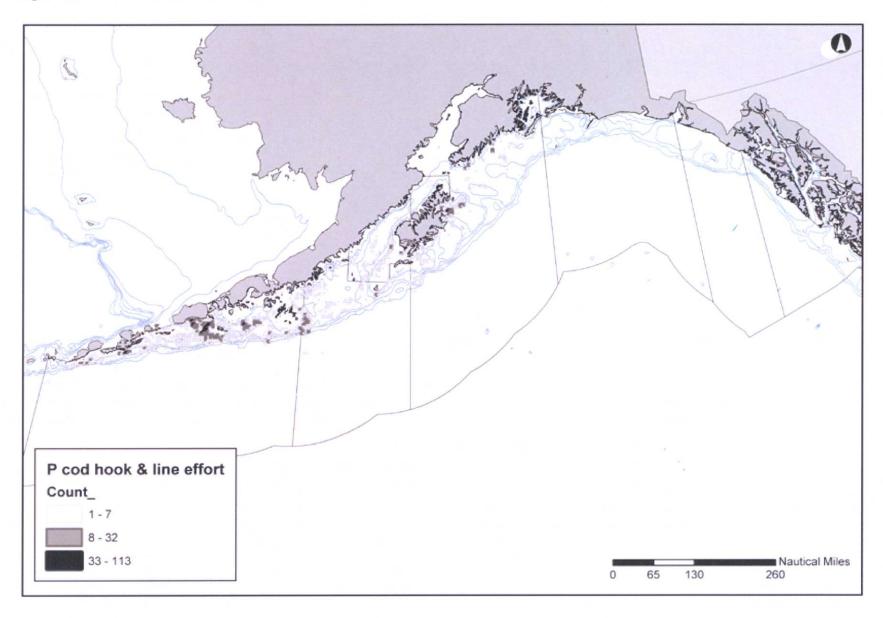
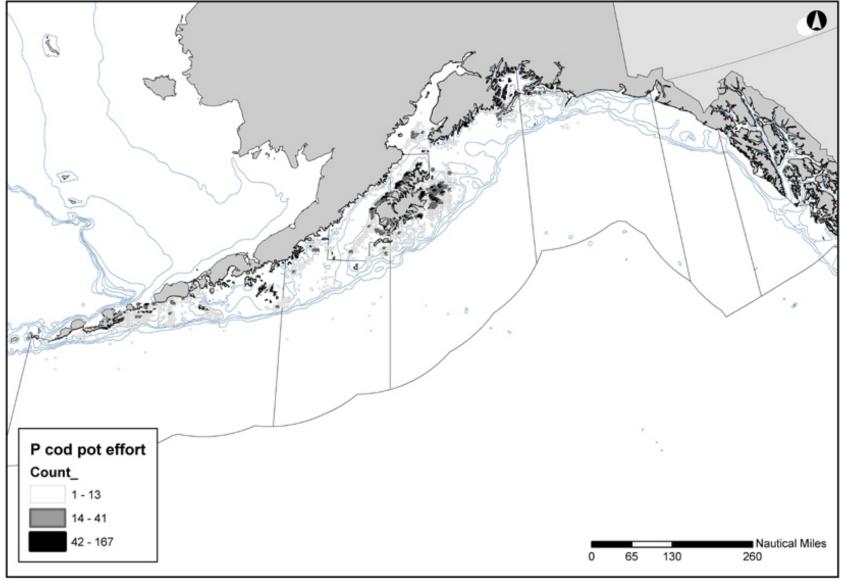
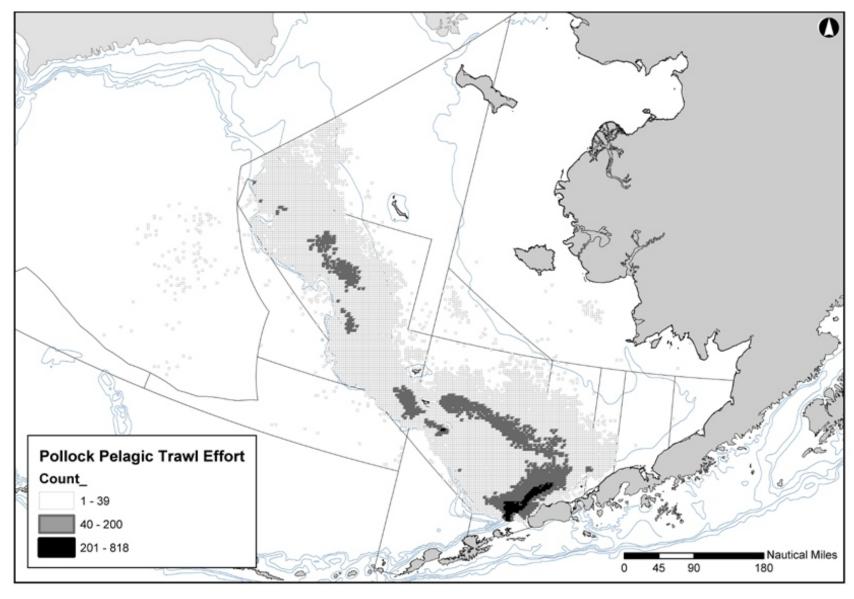


Figure 3.4-15. Gulf of Alaska: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km²)





**Figure 3.4-16.** Bering Sea: 1990-2002 Observed Pollock Pelagic Trawl Effort (Sets/25 km<sup>2</sup>)

Note:  $(\text{Sets/25 km}^2)$  = Summed for 1990 to 2002

0 Pollock Non-Pelagic Trawl Effort Count\_ 1 - 13 14 - 48 49 - 137 ■ Nautical Miles 45 90 180 0

Figure 3.4-17. Bering Sea: 1990-2002 Observed Pollock Non-Pelagic (Bottom) Trawl Effort (Sets/25 km<sup>2</sup>)

Pollock Pelagic Trawl Effort Count\_ 1 - 42 43 - 274 275 - 671 Nautical Miles 80 160

**Figure 3.4-18.** Aleutian Islands: 1990-2002 Observed Pollock Pelagic Trawl Effort (Sets/25 km²)

Pollock Non-Pelagic Trawl Effort Count\_ 1 - 6 ■ Nautical Miles 80 160

**Figure 3.4-19.** Aleutian Islands: 1990-2002 Observed Pollock Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

0 P Cod Non-Pelagic Trawl Effort Count\_ 1 - 101 102 - 476 477 - 1045 Nautical Miles 90 180 45

Figure 3.4-20. Bering Sea: 1990-2002 Observed Pacific Cod Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

P. Cod Non-Pelagic Trawl Effort Count\_ 1 - 20 21 - 76 77 - 239 Nautical Miles 80 160

**Figure 3.4-21.** Aleutian Islands: 1990-2002 Observed Pacific Cod Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Rock Sole Non-Pelagic Trawl Effort Count\_ 1 - 27 28 - 92 93 - 310 ■ Nautical Miles 90 45 180

**Figure 3.4-22.** Bering Sea: 1990-2002 Observed Rock Sole Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Yellowfin Sole Non-Pelagic Trawl Effort Count\_ 1 - 32 33 - 127 128 - 409 Nautical Miles 45 90 180

**Figure 3.4-23.** Bering Sea: 1990-2002 Observed Yellowfin Sole Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

0 Flathead Sole & Other Flatfish Non-Pelagic Trawl Effort Count\_ 1 - 8 Nautical Miles 27 - 86 90 180 45

**Figure 3.4-24.** Bering Sea: 1990-2002 Observed Flathead Sole and Other Flatfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km<sup>2</sup>)

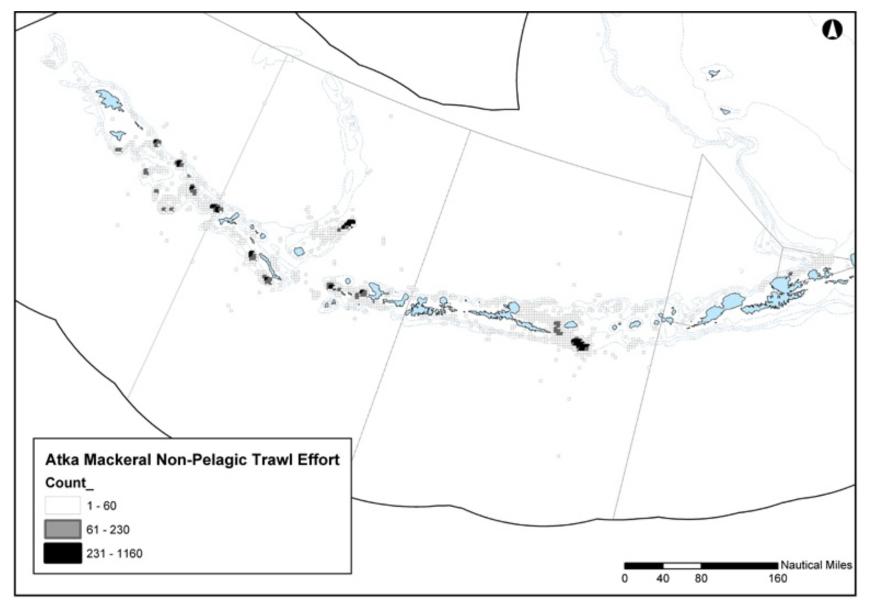
**Rockfish Non-Pelagic Trawl Effort** Count\_ 1 - 7 8 - 20 21 - 42 Nautical Miles 90 180 45

Figure 3.4-25. Bering Sea: 1990-2002 Observed Rockfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

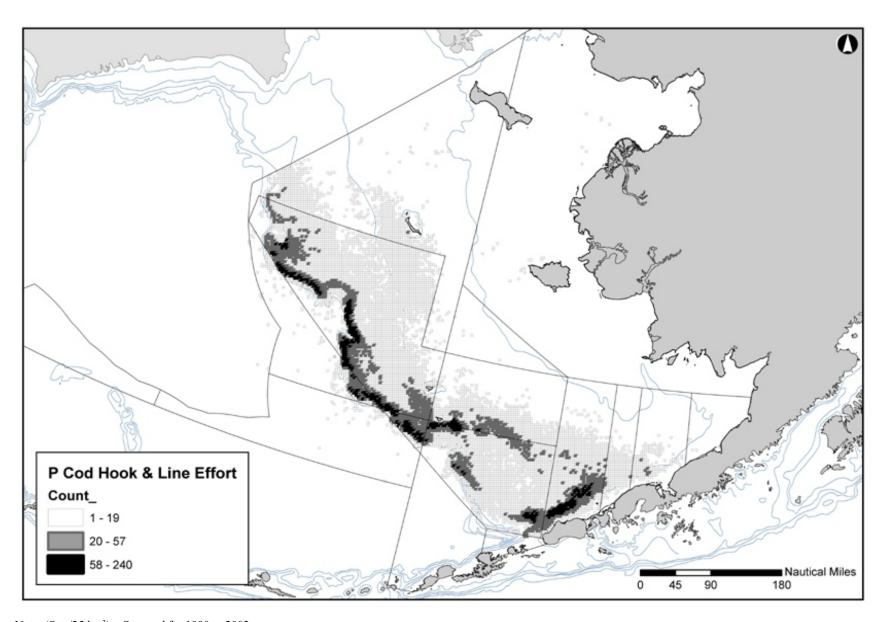
Rockfish Non-Pelagic Trawl Effort Count\_ 1 - 15 16 - 121 122 - 298 80 160

**Figure 3.4-26.** Aleutian Islands: 1990-2002 Observed Rockfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Figure 3.4-27. Aleutian Islands: 1990-2002 Observed Atka Mackeral Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)



**Figure 3.4-28.** Bering Sea: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km<sup>2</sup>)



Note:  $(\text{Sets/25 km}^2)$  = Summed for 1990 to 2002

Source: Cathy Coon, NPFMC Staff, North Pacific Observer Program Data

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P Cod Hook & Line Effort Count\_ 1 - 25 26 - 96 97 - 325 Nautical Miles 80 160

**Figure 3.4-29.** Aleutian Islands: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km²)

Note:  $(\text{Sets/25 km}^2)$  = Summed for 1990 to 2002

0 Sablefish Turbot Hook & Line Effort Count\_ 1 - 10 11 - 33 34 - 112 Nautical Miles

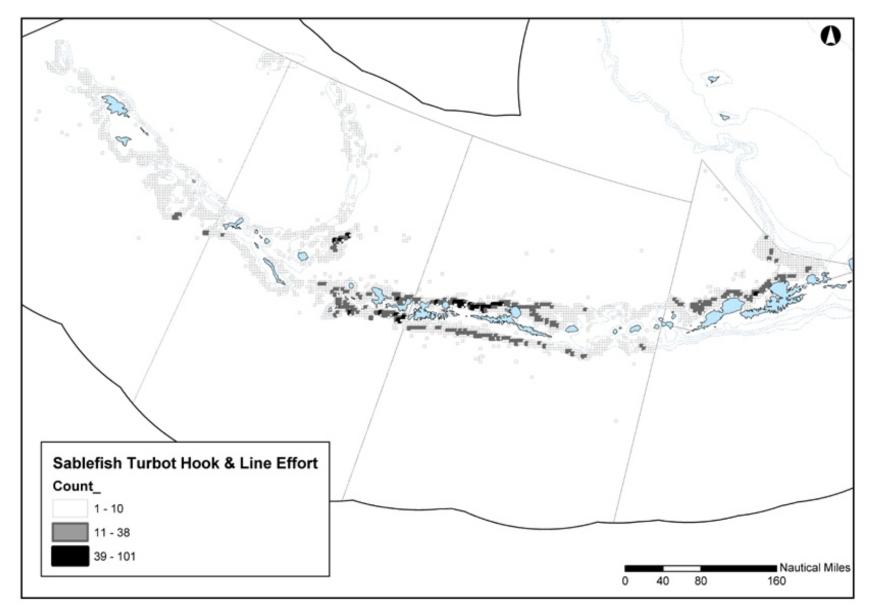
90

180

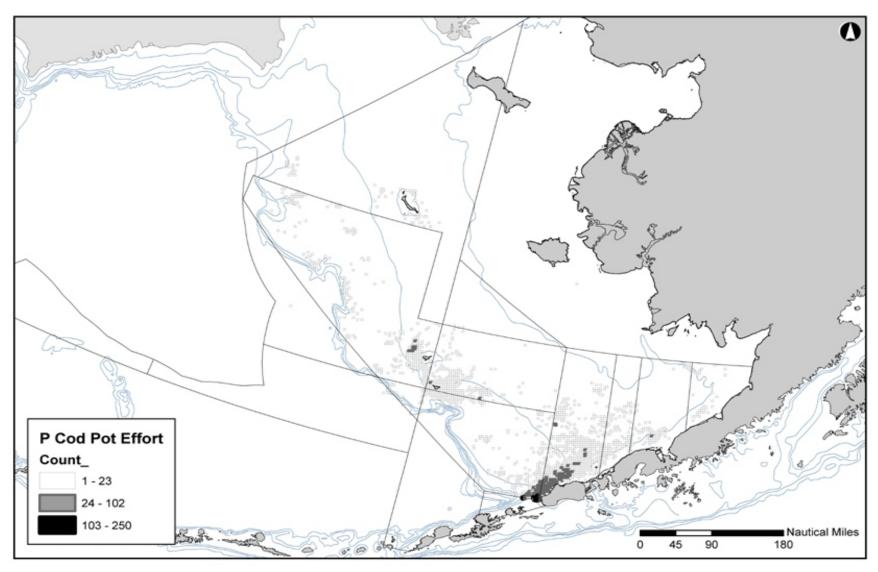
Figure 3.4-30. Bering Sea: 1990-2002 Observed Sablefish and Turbot Hook and Line Trawl Effort (Sets/25 km²)

Note:  $(\text{Sets/25 km}^2)$  = Summed for 1990 to 2002

Figure 3.4-31. Aleutian Islands: 1990-2002 Observed Sablefish and Turbot Hook and Line Effort (Sets/25 km²)



**Figure 3.4-32.** Bering Sea: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km²)



Note:  $(Sets/25 \text{ km}^2) = Summed \text{ for } 1990 \text{ to } 2002$ 

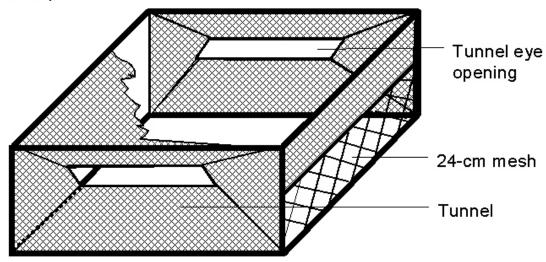
0 P Cod Pot Effort Count\_ 1 - 64 65 - 269 270 - 861 Nautical Miles 80 160

Figure 3.4-33. Aleutian Islands: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km<sup>2</sup>)

Note:  $(\text{Sets/25 km}^2)$  = Summed for 1990 to 2002

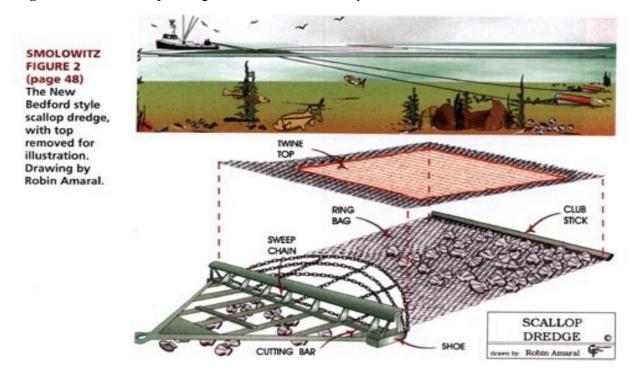
Figure 3.4-34. Crab Pot/Pacific Cod Pot

## Standard pot



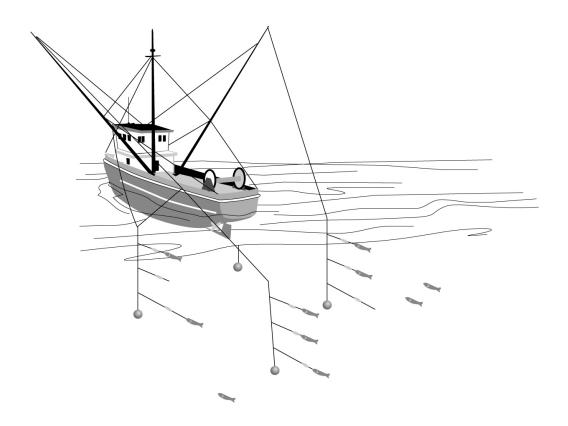
Source: Alaska Department of Fish and Game

Figure 3.4-35. Scallop Dredge, The New Bedford Style



Source: Smolowitz.1998

Figure 3.4-36. Salmon Troll



Source: K. Richards, Tetra Tech FW, Bothell, WA